

Water-Data Report 2008

**352854082380502 Local number BU-072, NCDENR Bent Creek Research Station MW-2I near Bent Creek, NC (Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28'54", long 82°38'05" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.2 mi southwest of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 36 ft, diameter 4 in., cased to 21 ft, screened interval from 21 ft to 36 ft, sand filter packed from 18 ft to 36 ft.

DATUM.--Land-surface datum is 2,191.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.89 ft above land-surface datum, December 1, 2005, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record July 2004 to December 2005.

GAGE.--Measured periodically with electric and steel tape.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.42 ft below land-surface datum, September 17, 2004; lowest water level measured, 9.14 ft below land-surface datum, August 14, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Jan 23, 2008	8.49	May 16, 2008	8.62
Feb 19	7.71	Jul 2	8.74
Mar 17	8.14	Aug 14	9.14
Apr 25	8.46	Sep 29	9.02
25	8.46		

Highest: 7.71 Feb 19, 2008

Lowest: 9.14 Aug 14, 2008

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